

## Detailed Estimate

**OD/346/3305/116234/393318/00068432 : Const. of boundary wall at hatimunda awc**  
**Block : Nilgiri, Gram Panchayat : Bhaunriabad**  
**Created By:Ramesh Singh**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	18.000	1.000	1.000	1.000	0.000	18.000	-
Total Quantity							18 cum (cum)	18 Cum (Cubic Meter)
Amount							18 X 240.77592	4333.97
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	18.000	1.000	1.000	0.100	0.000	1.800	-
ii	back filling	1.000	5.990	0.000	0.000	0.000	5.990	-
Total Quantity							7.79 cum (cum)	7.79 Cum (Cubic Meter)
Amount							7.79 X 1053.029232	8203.10
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	18.000	1.000	1.000	0.100	0.000	1.800	-
Total Quantity							1.8 cum (cum)	1.8 Cum (Cubic Meter)
Amount							1.8 X 6359.03835176	11446.27

**4. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Columnbase	18.000	1.000	1.000	0.250	0.000	4.500	-
ii	column	16.000	0.250	0.250	0.800	0.000	0.800	-
iii	GB	1.000	48.000	0.250	0.300	0.000	3.600	-
iv	Column	16.000	0.250	0.250	1.550	0.000	1.550	-
v	column	2.000	0.380	0.250	3.700	0.000	0.703	-
vi	COLUMN	2.000	0.380	0.250	0.800	0.000	0.152	-
vii	beam	1.000	4.500	0.300	0.300	0.000	0.405	-
<b>Total Quantity</b>							11.71 cum (cum)	11.71 Cum (Cubic Meter)
<b>Amount</b>							<b>11.71 X 6837.0087474817</b>	<b>80061.37</b>

**5. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position**

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	10.450	0.000	0.000	0.000	10.450	-
<b>Total Quantity</b>							10.45 Qntl (Quintal)	10.45 Qntl (Quintal)
<b>Amount</b>							<b>10.45 X 8638.4039318</b>	<b>90271.32</b>

**6. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	48.000	0.250	1.550	0.000	18.600	-
Total Quantity					18.6 cum (cum)		18.6 Cum (Cubic Meter)	
Amount					18.6 X 5296.414766968		98513.31	

#### 7. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	48.000	1.800	0.000	0.000	86.400	-
Total Quantity					86.4 Sqm (Sqm)		86.4 Sqm (Square Meter)	
Amount					86.4 X 250.113571192		21609.81	

#### 8. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside

12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	48.000	1.800	0.000	0.000	86.400	-
Total Quantity					86.4 Sqm (Sqm)		86.4 Sqm (Square Meter)	
Amount					86.4 X 174.8597966352		15107.89	

#### 9. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer

Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	48.000	1.800	0.000	0.000	172.800	-
Total Quantity					172.8 Sqm (Sqm)		172.8 Sqm (Square Meter)	
Amount					172.8 X 156.89114311851		27110.79	

**10. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc**

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	GB	2.000	48.000	0.300	0.000	0.000	28.800	-
ii	column	16.000	4.000	0.250	1.550	0.000	24.800	-
iii	Column	2.000	2.000	0.380	3.700	0.000	5.624	-
iv	COLUMN	2.000	2.000	0.250	3.700	0.000	3.700	-
Total Quantity					62.924 Sqm (Sqm)		62.924 Sqm (Square Meter)	
Amount					62.924 X 216.23489289764		13606.36	

**Total Amount (A) : 370264.19**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.4000	-	4000
2	Display Citizen Board @ Rs.1500	-	1500
3	Any Other Lumpsum @ Rs.24235	COST OF MS GATE	24235

**Additional Components Amount (F) : 29735**

**Grand Total Amount (A + F) : 399999.19440821**

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